Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042423\
Data File : BG057158.D
Acq On : 24 Apr 2023 19:32
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 25 04:22:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 04:18:38 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.390 | 152 | 27027 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.227 | 136 | 108258 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 15.004 | 164 | 77446 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.742 | 188 | 180057 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.060 | 240 | 157437 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.584 | 264 | 160742 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.899 | 112 | 191053 | 128.102 | ng | | 0.00 |
| 7) Phenol-d6 | 7.526 | 99 | 282820 | 131.064 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.571 | 82 | 294010 | 134.261 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.485 | 330 | 112653 | 110.246 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.630 | 172 | 658916 | 114.341 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.315 | 244 | 1064344 | 118.248 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.708 | 88 | 43408 | 64.952 | ng | | 94 |
| 3) Pyridine | 4.131 | 79 | 141760 | 69.911 | ng | | 95 |
| 6) Aniline | 7.702 | 93 | 184113 | 65.334 | ng | | 97 |
| 8) 2-Chlorophenol | 7.949 | 128 | 97641 | 62.495 | ng | | 98 |
| 9) Benzaldehyde | 7.509 | 77 | 75459 | 58.383 | ng | | 87 |
| 10) Phenol | 7.550 | 94 | 139812 | 65.252 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.791 | 93 | 110346 | 65.628 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.278 | 146 | 106215 | 57.388 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.425 | 146 | 107403 | 57.581 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.748 | 146 | 103193 | 57.300 | ng | | 96 |
| 15) Benzyl Alcohol | 8.619 | 79 | 109888 | 69.110 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.907 | 45 | 144322m | 63.285 | ng | | |
| 17) 2-Methylphenol | 8.824 | 107 | 102174 | 65.165 | ng | | 97 |
| 18) Hexachloroethane | 9.488 | 117 | 39316 | 62.132 | ng | | 90 |
| 20) 3+4-Methylphenols | 9.153 | 107 | 138452 | 64.524 | ng | | 99 |
| 22) Acetophenone | 9.218 | 105 | 183053 | 62.331 | ng | # | 94 |
| 24) Nitrobenzene | 9.612 | 77 | 150805 | 68.590 | ng | | 99 |
| 25) Isophorone | 10.134 | 82 | 285155 | 67.889 | ng | | 98 |
| 26) 2-Nitrophenol | 10.328 | 139 | 52280 | 63.647 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 10.369 | 122 | 99953 | 63.313 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.604 | 93 | 146855 | 66.696 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.863 | 162 | 106461 | 60.535 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.086 | 180 | 118225 | 54.974 | ng | | 95 |
| 31) Naphthalene | 11.280 | 128 | 341425 | 59.378 | ng | | 99 |
| 32) Benzoic acid | 10.522 | 122 | 46271 | 60.625 | ng | | 92 |
| 33) 4-Chloroaniline | 11.380 | 127 | 152858 | 60.463 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.550 | 225 | 82658 | 52.125 | ng | | 97 |
| 35) Caprolactam | 12.155 | 113 | 32660 | 67.067 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.472 | 107 | 120597 | 63.743 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.854 | 142 | 265114 | 58.590 | ng | | 96 |
| 38) 1-Methylnaphthalene | 13.072 | 142 | 247359 | 59.211 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 13.213 | 216 | 158130 | 55.801 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.189 | 237 | 69720 | 58.849 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.448 | 196 | 94711 | 61.734 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.524 | 196 | 112082 | 60.514 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.841 | 154 | 342596 | 59.348 | ng | | 97 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 47) | 2-Chloronaphthalene | 13.894 | 162 | 258449 | 59.319 | ng | | 98 |
| 49) | Acenaphthylene | 14.734 | 152 | 418520 | 60.511 | ng | | 99 |
| 50) | Dimethylphthalate | 14.440 | 163 | 333326 | 61.326 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 14.570 | 165 | 74864 | 65.986 | ng | | 98 |
| 52) | Acenaphthene | 15.069 | 154 | 275752m | 61.020 | ng | | |
| 53) | 3-Nitroaniline | 14.904 | 138 | 73746 | 65.458 | ng | | 95 |
| 54) | 2,4-Dinitrophenol | 15.110 | 184 | 37707 | 60.360 | ng | | 94 |
| 55) | Dibenzofuran | 15.398 | 168 | 422655 | 57.725 | ng | | 97 |
| 56) | 4-Nitrophenol | 15.198 | 139 | 52875 | 66.678 | ng | | 90 |
| 57) | 2,4-Dinitrotoluene | 15.351 | 165 | 102035 | 66.039 | ng | | 96 |
| 58) | Fluorene | 16.044 | 166 | 338880 | 57.487 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.621 | 232 | 94986m | 59.894 | ng | | |
| 60) | Diethylphthalate | 15.786 | 149 | 326342 | 62.287 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 16.021 | 204 | 196932 | 55.660 | ng | | 96 |
| 62) | 4-Nitroaniline | 16.062 | 138 | 73928 | 65.168 | ng | | 92 |
| 63) | Azobenzene | 16.314 | 77 | 372880 | 66.903 | ng | | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 16.120 | 198 | 58271 | 60.895 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 16.238 | 169 | 292811 | 62.324 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 16.919 | 248 | 124715 | 57.596 | ng | | 96 |
| 68) | Hexachlorobenzene | 17.049 | 284 | 121711 | 54.801 | ng | | 96 |
| 69) | Atrazine | 17.166 | 200 | 94380 | 62.895 | ng | | 95 |
| 70) | Pentachlorophenol | 17.389 | 266 | 68541 | 65.472 | ng | | 98 |
| 71) | Phenanthrene | 17.789 | 178 | 545848 | 59.383 | ng | | 100 |
| 72) | Anthracene | 17.877 | 178 | 553851 | 59.590 | ng | | 99 |
| 73) | Carbazole | 18.141 | 167 | 478456 | 60.985 | ng | | 99 |
| 74) | Di-n-butylphthalate | 18.658 | 149 | 477696 | 65.457 | ng | | 99 |
| 75) | Fluoranthene | 19.774 | 202 | 663952 | 58.139 | ng | | 99 |
| 77) | Benzidine | 19.939 | 184 | 140998 | 59.433 | ng | | 99 |
| 78) | Pyrene | 20.139 | 202 | 668332 | 62.525 | ng | | 99 |
| 81) | Benzo(a)anthracene | 22.042 | 228 | 653876 | 60.406 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.936 | 252 | 181716 | 64.140 | ng | | 96 |
| 83) | Chrysene | 22.112 | 228 | 618964 | 59.294 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.889 | 149 | 272315 | 60.724 | ng | | 98 |
| 85) | Di-n-octyl phthalate | 23.193 | 149 | 470468 | 66.628 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 29.661 | 276 | 704684 | 61.201 | ng | # | 95 |
| 88) | Benzo(b)fluoranthene | 24.456 | 252 | 619665 | 61.498 | ng | | 100 |
| 89) | Benzo(k)fluoranthene | 24.533 | 252 | 648498 | 62.220 | ng | | 98 |
| 90) | Benzo(a)pyrene | 25.420 | 252 | 614061 | 61.874 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 29.726 | 278 | 580790 | 60.749 | ng | | 97 |
| 92) | Benzo(g,h,i)perylene | 30.953 | 276 | 570971 | 60.361 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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